EAST TENT COOPERATION TREATY

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Date of mailing (day/month/year) 21 April 2005 (21.04.2005)					
Applicant's or agent's file reference 11245/53276		IMPORTANT NOTICE			
International application No. PCT/US2004/013852	International filing dat 03 May 2004	te (day/month/year) 4 (03.05.2004)  Priority date (day/month/year) 01 May 2003 (01.05.2003)			
Applicant I	MCLONE SYSTEMS	INCORPORATED et al			
The International Bureau transmits herewith the	e following documents:				
copy of the international application as published by the International Bureau on under No. WO					
copy of international application as republished by the International Bureau on 21 April 2005 (21.04.2005) under No. WO 2005/016970  For an explanation as to the reason for this republication of the international application, reference is made to INID codes (15), (48) or (88) (as the case may be) on the front page of the attached document.					
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The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

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(74) Agents: SOMERVILLE, Deborah, A. et al.; Kenyon & Kenyon, One Broadway, New York, NY 10004 (US).

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(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 21 April 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FULLY HUMAN ANTIBODIES DIRECTED AGAINST THE HUMAN INSULIN-LIKE GROWTH FACTOR-1 RECEPTOR

(57) Abstract: This invention relates to human antibodies that bind to human insulin-like growth factor-1 receptor (IGF-IR), to derivatives of these antibodies (Fabs, single chain antibodies, bi-specific antibodes, or fusion proteins), and to uses of the antibodies and derivatives in therapeutic, and diagnostic methods. The invention relates to nucleic acids encoding the anti-IGF-IR, methods of generating the antibodies and expression. The invention further relates to combination therapies using ant-IGF-IR antibodies with anti-neoplastic drugs.





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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07K16/28 A61K39/395 C12N5/10

A61P35/00

C12N15/13

C12N15/63

According to International Patent Classification (IPC) or to both national classification and IPC

#### **B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, EMBASE, PAJ, Sequence Search

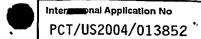
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT	
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Patent family members are listed in annex.



Further documents are listed in the continuation of box C.

## INTERNATIONAL SEARCH REPORT



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Category °	Citation of document, with indication, where appropriate, of the relevant passages	Re	elevant to claim No.
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A	HAILEY J ET AL: "NEUTRALIZING ANTI-INSULIN-LIKE GROWTH FACTOR RECEPTOR 1 ANTIBODIES INHIBIT RECEPTOR FUNCTION AND INDUCE RECEPTOR DEGRADATION IN TUMOR CELLS" MOLECULAR CANCER THERAPEUTICS, AMERICAN ASSOCIATION OF CANCER RESEARCH, US, vol. 1, no. 14, December 2002 (2002-12), pages 1349-1353, XP008026465 ISSN: 1535-7163 the whole document		1-56
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A	WO 96/33735 A (CELL GENESYS, INC) 31 October 1996 (1996-10-31) the whole document		1–56
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Category Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.	Category Citation of document, with indication, where appropriate, of the relevant passages  P, A  BURTRUM DOUGLAS ET AL: "A fully human monoclonal antibody to the insulin-like growth factor I receptor blocks ligand-dependent signaling and inhibits human tumor growth in vivo."  CANCER RESEARCH, vol. 63, no. 24, 15 December 2003 (2003-12-15), pages 8912-8921, XP002316542 ISSN: 0008-5472	P,A BURTRUM DOUGLAS ET AL: "A fully human monoclonal antibody to the insulin-like growth factor I receptor blocks ligand-dependent signaling and inhibits human tumor growth in vivo."  CANCER RESEARCH, vol. 63, no. 24, 15 December 2003 (2003-12-15), pages 8912-8921, XP002316542 ISSN: 0008-5472	P,A  BURTRUM DOUGLAS ET AL: "A fully human monoclonal antibody to the insulin-like growth factor I receptor blocks ligand-dependent signaling and inhibits human tumor growth in vivo."  CANCER RESEARCH, vol. 63, no. 24, 15 December 2003 (2003-12-15), pages 8912-8921, XP002316542 ISSN: 0008-5472		•	101/032004/013652
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į.				P, A	monoclonal antibody to the insulin-like growth factor I receptor blocks ligand-dependent signaling and inhibits human tumor growth in vivo."  CANCER RESEARCH, vol. 63, no. 24, 15 December 2003 (2003-12-15), pages 8912-8921, XP002316542 ISSN: 0008-5472	1-56



Box II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This Inte	mational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
	Although claims 34-56 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Inter	mational Searching Authority found multiple Inventions in this international application, as follows:
1.	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. []	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark o	The additional search fees were accompanied by the applicant's protest.
	No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Internal Application No PC17US2004/013852

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